

## A

# EXAM OBJECTIVES FOR MCSE CERTIFICATION EXAM #70-216: IMPLEMENTING AND ADMINISTERING A MICROSOFT WINDOWS 2000 NETWORK INFRASTRUCTURE

## INSTALLING, CONFIGURING, MANAGING, MONITORING, AND TROUBLESHOOTING DNS IN A WINDOWS 2000 NETWORK INFRASTRUCTURE

Objective	Chapter: Section	Hands-on Project(s)
Install the DNS Server service	Chapter 4: Installing DNS Service	Project 4-2
Configure a root name server	Chapter 4: Configuring a Root Name Server	Project 4-3
Configure zones	Chapter 4: Configuring Primary and Secondary Zones	Project 4-4
Configure a caching-only server	Chapter 4: Configuring Caching-only Servers	Project 4-2
Configure a DNS client	Chapter 2: TCP/IP configuration section  Chapter 4: DNS Client Configuration	Process described in Chapter 2 and Chapter 4 text. (Screen shots and text guide students through the process.)
Configure zones for dynamic updates	Chapter 4: Configuring Zones for Dynamic Updates	Project 4-6
Test the DNS Server service	Chapter 4: Managing, Monitoring, and Troubleshooting DNS	Project 4-7
Implement a delegated zone for DNS	Chapter 4: Implementing a Delegated Zone for DNS	Process described in text (Screen shots and text guide students through the process.)
Create DNS resource records manually	Chapter 4: Creating Resource Records Manually	Project 4-5
Manage and monitor DNS	Chapter 4: Managing, Monitoring, and Troubleshooting DNS	Project 4-7

## INSTALLING, CONFIGURING, MANAGING, MONITORING, AND TROUBLESHOOTING DHCP IN A WINDOWS 2000 NETWORK INFRASTRUCTURE

Objective	Chapter: Section	Hands-on Project(s)
Install the DHCP Server service	Chapter 3: Installing the DHCP Server Service	Project 3-2
Create and manage scopes, superscopes, and multicast scopes	Chapter 3: Configuring Scopes	Project 3-4
Configure DHCP for DNS Integration	Chapter 3: Integrating DHCP and DNS	Project 3-6
Authorize a DHCP Server in Active Directory	Chapter 3: DHCP and Active Directory	Project 3-3
Manage and monitor DHCP	Chapter 3: Managing, Monitoring, and Troubleshooting DHCP	Project 3-7 Project 3-8 Project 3-9

## INSTALLING, CONFIGURING, MANAGING, MONITORING, AND TROUBLESHOOTING NETWORK PROTOCOLS IN A WINDOWS 2000 NETWORK INFRASTRUCTURE

Objective	Chapter: Section	Hands-on Project(s)
Install and configure TCP/IP	Chapter 2: Static and Dynamic TCP/IP Addresses	Project 2-1 Project 2-2 Project 2-4
Install the NWLink protocol	Chapter 2: Internetwork Packet eXchange/Sequenced Packet Exchange  Chapter 2: Installing and Configuring NWLink IPX/SPX	Project 2-5
Configure network bindings	Chapter 2: Network Protocol Bindings	Project 2-8
Configure TCP/IP packet filters	Chapter 2: TCP/IP Packet Filtering	Project 2-7
Configure and troubleshoot network protocol security	Chapter 2: TCP/IP Packet Filtering  Chapter 8: Configuring IPSec  Chapter 8: Managing and Monitoring IPSec	Project 2-7  Project 8-1
Manage and monitor network traffic	Chapter 2: Troubleshooting TCP/IP	Project 2-2 Project 2-3

Objective	Chapter: Section	Hands-on Project(s)
Configure and troubleshoot IPSec	Chapter 8: Configuring IPSec Managing and Monitoring IPSec	
Enable IPSec	Chapter 8: Configuring IPSec	Project 8-1 Project 8-3
Configure IPSec for transport mode	Chapter 8: Configuring IPSec Configuring a Policy	Project 8-1 Project 8-2
Configure IPSec for tunnel mode	Chapter 8: Tunnel Setting Properties	Project 8-4
Customize IPSec policies and rules	Chapter 8: Creating a New Policy Configuring a Policy Managing Filter Lists and Actions Applying Policies to the Active Directory	Project 8-2
Manage and monitor IPSec	Chapter 8: Managing and Monitoring IPSec	

## INSTALLING, CONFIGURING, MANAGING, MONITORING, AND TROUBLESHOOTING WINS IN A WINDOWS 2000 NETWORK INFRASTRUCTURE

Objective	Chapter: Section	Hands-on Project(s)
Install, configure, and troubleshoot WINS	Chapter 5: WINS and NetBIOS WINS in Windows 2000 Installing WINS	Project 5-1
Configure WINS replication	Chapter 5: Configuring WINS Replication	Project 5-2 Project 5-3
Configure NetBIOS name resolution	Chapter 5: NetBIOS Naming NetBIOS Name Resolution Configuring Clients for WINS	Shown in text screen shots and in Chapter 5 projects
Manage and monitor WINS	Chapter 5: Managing, Monitoring, and Troubleshooting WINS	Project 5-4 Project 5-5 Project 5-6

## CONFIGURING, MANAGING, MONITORING, AND TROUBLESHOOTING REMOTE ACCESS IN A WINDOWS 2000 NETWORK INFRASTRUCTURE

Objective	Chapter: Section	Hands-on Project(s)
Configure inbound connections	Chapter 6: Configuring Inbound Connections on the Server	Project 6-1 Project 6-2 Project 6-3
Create a remote access policy	Chapter 6: Configuring Remote Access Policies	Project 6-4
Configure a remote access profile	Chapter 6: Configuring Remote Access Profiles	Project 6-4
Configure a virtual private network (VPN)	Chapter 6: Configuring a Virtual Private Networking Connection	Project 6-7
Configure multilink connections	Chapter 6: Multilink Properties	Project 6-2
Configure Routing and Remote Access for DHCP Integration	Chapter 6: Configuring RRAS or DHCP Integration	Project 6-8
Manage and monitor remote access	Chapter 6: Managing, Monitoring, and Troubleshooting RAS	
Configure authentication protocols	Chapter 6: User Authentication Security Properties	
Configure encryption protocols	Chapter 6: Encryption Properties	Project 6-5
Create a remote access policy	Chapter 6: Configuring Remote Access Policies	Project 6-4

## CONFIGURING, MANAGING, MONITORING, AND TROUBLESHOOTING IP ROUTING IN A WINDOWS 2000 NETWORK INFRASTRUCTURE

Objective	Chapter: Section	Hands-on Project(s)
Install, configure, and troubleshoot IP routing protocols	Chapter 7: Routing Protocols Using Dynamic Routing Protocols	Project 7-3
Update a Windows 2000-based routing table by means of static routes	Chapter 7: Configuring Static Routing	Project 7-2
Implement Demand-dial Routing	Chapter 7: Demand-dial Routing Interfaces	Project 7-4
Manage and monitor IP routing	Chapter 7: Installing and Configuring RRAS Monitoring IP Routing	Project 7-1 Project 7-5

Objective	Chapter: Section	Hands-on Project(s)
Manage and monitor border routing	Chapter 7: Using Dynamic Routing Protocols Monitoring IP Routing	Project 7-5
Manage and monitor internal routing	Chapter 7: Using Dynamic Routing Protocols Monitoring IP Routing	Project 7-5
Manage and monitor IP routing protocols	Chapter 7: Using Dynamic Routing Protocols Monitoring IP Routing	Project 7-5

## INSTALLING, CONFIGURING, AND TROUBLESHOOTING NETWORK ADDRESS TRANSLATION (NAT)

Objective	Chapter: Section	Hands-on Project(s)
Install Internet Connection Sharing	Chapter 9: Installing and Configuring Internet Connection Sharing	Project 9-1
Install NAT	Chapter 9: Installing the NAT Service	Project 9-2
Configure NAT Properties	Chapter 9: Configuring NAT Properties	Project 9-2
Configure NAT Interfaces	Chapter 9: Configuring NAT Interfaces	Project 9-3

## INSTALLING, CONFIGURING, MANAGING, MONITORING, AND TROUBLESHOOTING CERTIFICATE SERVICES

Objective	Chapter: Section	Hands-on Project(s)
Install and configure Certificate Authority (CA)	Chapter 10: Installing the Certificate Authority Managing the Certificate Authority and Certificates	Project 10-1 Project 10-2
Issue and revoke certificates	Chapter 10: Certificate Enrollment Managing Revocation	Project 10-3 Project 10-4
Remove the Encrypting File System (EFS) recovery keys	Chapter 10: Removing Encrypting File System (EFS) Recovery Keys	Project 10-5

